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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/020,815	12/12/2001	Gilbert Wolrich	10559/614001P12853	8919
20985	7590	08/23/2004	EXAMINER	
FISH & RICHARDSON, PC 12390 EL CAMINO REAL SAN DIEGO, CA 92130-2081			LEROUX, ETIENNE PIERRE	
			ART UNIT	PAPER NUMBER

2171

DATE MAILED: 08/23/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/020,815	Applicant(s) WOLRICH ET AL. h	
	Examiner Etienne P LeRoux	Art Unit 2171	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>4</u> . | 6) <input checked="" type="checkbox"/> Other: <u>Drawing Correction</u> . |

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 1, 4-8, 12-16, 20-24 and 28-31 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Claim 1 recites “retrieving a first address from the first queue entry; and modifying the linked list of addresses of the first queue entry based on the cell count of the first address retrieved.” One of ordinary skill in the art would not be able to make and use the invention because the specification does not describe how to modify the linked list of addresses. How can the first address be modified based on the cell count of the received packet of information? If the cell count is modified, the information regarding the size of the transmitted packet will be lost.

Claims 4, 12, 20 and 28 recite “wherein storing addresses further comprises setting the first address as the head address of the first queue entry; and linking a second address to the first address of the first queue entry.” One of ordinary skill in the art would not be able to make and use the invention because the specification does not describe how to link the second address to the first address.

Claims 5-8, 13-16 and 21-24 and 29-31 are rejected for being dependent from a rejected base claim.

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The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 3-8, 11-16, 19-24 and 27-31 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 3, 11, 19 and 27 recite "determining the cell count is zero; and setting a second address as the first address of the first queue entry." The scope of instant invention is difficult to ascertain because it is unclear, what if anything must be done with a packet comprising zero cells.

Claims 4-8, 12-16, 20-24 and 28-31 are rejected for being dependent from a rejected base claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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Claims 1, 2, 9, 10, 17, 18, 25 and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by US Pat No 6,724,721 issued to Cheriton (hereafter Cheriton), as best examiner is able to ascertain.

Claims 1, 9, 17 and 25:

Cheriton discloses:

- storing addresses in a first queue entry as a linked list, each of the stored addresses including a cell count [col 6, lines 15-23];
- retrieving a first address from the first queue entry; and modifying the linked list of addresses of the first queue entry based on the cell count of the first address retrieved [col 6, lines 24-26].

Claims 2, 10, 18 and 26 :

Cheriton discloses decrementing the cell count of the first address each time the first address is retrieved [col 6, lines 24-26].

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- 1) Pub No US 2002/01966778 issued to Colmant et al discloses a shared memory which includes storage space for one cell and an associated multicast counter.
- 2) US Pat No 5,872,769 issued to Caldara et al discloses linked list structures for an ATM switch.

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3) Pub No US 2002/0014100 issued to Abe et al discloses packet buffer equipment and packet header analysis

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Etienne LeRoux whose telephone number is (703) 305-0620.

The examiner can normally be reached on Monday – Friday from 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic, can be reached on (703) 308-1436.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Patent related correspondence can be forwarded via the following FAX number (703) 872-9306

Etienne LeRoux

7/19/2004


SAFET METJAHIC
SENIOR PATENT EXAMINER
TECHNOLOGY CENTER 2100